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PATENT
ATTORNEY DOCKET NO. INTEL1270-1 (P18602)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Berlin, et al. Art Unit: 1641
Application No.: 10/750,315 Examiner: Not Yet Assigned
Filed: December 30, 2003
Title: NUCLEIC ACID SEQUENCING BY RAMAN MONITORING OF
UPTAKE OF NUCLEOTIDES DURING MOLECULAR
REPLICATION

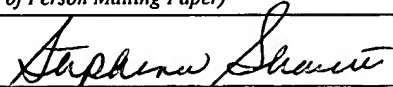
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL SHEET

Sir:

Transmitted herewith for the above-identified application, please find:

- (1) A Information Disclosure Statement (2 pages);
- (2) A Form PTO-1449 (2 pages);
- (3) Ten (10) References; and
- (4) Return postcard.

| CERTIFICATION UNDER 37 CFR §1.8 | |
|---|--|
| I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, November 12, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 | |
| Stephanie Sharrett | |
| (Name of Person Mailing Paper) | |
|  November 12, 2004 | |

In re Application of:

Berlin, et al.

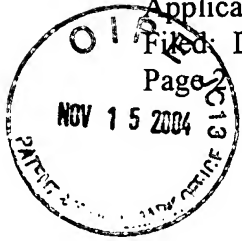
PATENT

Attorney Docket No.: INTEL1270-1(P18602)

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Filed: December 30, 2003

Page 2



Applicants do not believe any fees are due in connection with this Information Disclosure Statement. However, if any fees are required, authorization is hereby given to charge Deposit Account No. 07-1896. A duplicate copy of this Transmittal sheet is enclosed.

Respectfully submitted,

Date: November 12, 2004

Michael P. Reed

Registration No. 45,647

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USPTO CUSTOMER NUMBER 28213

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PATENT

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Examiner: Not Yet Assigned

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INFORMATION DISCLOSURE STATEMENT

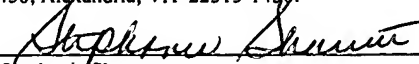
Sir:

In accordance with 37 C.F.R. 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and a copy of Items H through Q are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on November 12, 2004, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Stephanie Sharrett

In re Application of:

Berlin, et al.

Application No.: 10/750,315

Filed: December 30, 2003

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PATENT

Attorney Docket No.: INTEL1270-1 (P18602)

This Information Disclosure Statement is being filed prior to receipt of a First Office Action on the merits. Therefore, no fee is deemed necessary. However, the Commissioner is hereby authorized to charge any amounts required by this filing, or credit any overpayment, to Deposit Account No. 07-1896.

Respectfully submitted,

Date: November 12, 2004



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| FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office | Docket No.: INTEL1270-1 (P18602) | Serial No.: 10/750,315 |
| | Applicants: Berlin, et al. | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Filing Date: December 30, 2003 | Group Art Unit: 1641 |

U.S. PATENT DOCUMENTS

| EXAM. INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|----------------|---|-----------------|----------|---------------|-------|-----------|-------------|
| | A | 5,306,403 | 4/26/94 | Vo-Dinh | 204 | 450 | |
| | B | 5,776,674 | 7/7/98 | Ulmer | 435 | 6 | |
| | C | 5,904,824 | 5/18/99 | Chan Oh | 204 | 601 | |
| | D | 6,002,471 | 12/14/99 | Quake | 356 | 73 | |
| | E | 6,174,677 | 1/16/01 | Vo-Dinh | 435 | 6 | |
| | F | 6,210,896 | 4/3/01 | Eugene Chan | 435 | 6 | |
| | G | 6,514,767 | 2/4/03 | Michael Natan | 436 | 166 | |

FOREIGN PATENT DOCUMENTS

| EXAM. INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION (YES/NO) |
|----------------|--|-----------------|------|---------|-------|-----------|----------------------|
|----------------|--|-----------------|------|---------|-------|-----------|----------------------|

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

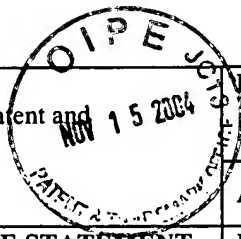
| | | |
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| | H | Anderson, et al., "Fabrication of Topologically Complex Three-Dimensional Microfluidic Systems in PDMS by Rapid Prototyping", <i>Anal. Chem.</i> 72(14):3158-3164, (July 2000) |
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| | K | Doering, et al., "Spectroscopic Tags Using Dye-Embedded Nanoparticles and Surface-Enhanced Raman Scattering", <i>Analytical Chemistry</i> , :5-9 |
| | L | Dorre, et al., "Techniques for Single Molecule Sequencing", <i>Bioimaging</i> 5:139-152 (1997) |
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| | O | Mulvaney, et al., "Glass-Coated, Analyte-Tagged Nanoparticles: A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering", <i>Am Chem Soc.</i> 19:4784-4790 (2003). |

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| EXAMINER GT\6422583.1 1090132-29 | DATE CONSIDERED |
|---|------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Department of Commerce Patent and
Trademark Office



Docket No.:
INTEL1270-1 (P18602)

Serial No.:
10/750,315

Applicants: Berlin, et al.

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Filing Date:
December 30, 2003

Group Art Unit:
1641

| | | |
|--|---|--|
| | P | Rasmussen, et al., "Covalent Immobilization of DNA onto Polystyrene Microwells: The Molecules Are Only Bound at the 5' End", <i>Anal. Biochem.</i> 198:138-142, (1991). |
| | Q | Running, et al., "A Procedure for Productive Coupling of Synthetic Oligonucleotides to Polystyrene Microtiter Wells for Hybridization Capture", <i>BioTechniques</i> 8(3):276-277, (1990). |
| | | |
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EXAMINER

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